## AMENDMENT AND RESPONSE UNDER 37 CFR § 1.111 Page 2

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Title: RAPID GENERATION OF RECOMBINANT ADENOVIRAL VECTORS

for Herpes Simplex Virus (HSV) packaging and an HSV origin of replication have been placed within the E3 region.

- 8. (Amended) The <u>cloning system</u> [plasmid] of claim [1] <u>16</u>, further comprising <u>in the</u> <u>backbone plasmid</u> HSV Amplicon sequences required for packaging and replication.
- 10. (Amended) The <u>cloning system</u> [plasmid] of claim [1] <u>16</u>, further comprising <u>in the</u> <u>backbone plasmid</u> one or more sequences that allow for integration of sequences into cells after viral infection.
- 11. (Amended) A shuttle plasmid comprising Ad sequences from 0 to 1 and 9.2 to 16.1 map units of an Ad genome and wherein the plasmid lacks a loxP sequence.
- 16. (Amended) A cloning system for generating recombinant adenovirus comprising:
  - (a) an Ad backbone plasmid comprising an Ad genome lacking map units 0 to 9.2, wherein the numbering of the map units starts [starting] with the lefthand ITR and wherein the backbone plasmid lacks a loxP sequence, and
  - (b) a shuttle plasmid comprising Ad sequences from 0 to 1 and 9.2 to 16.1 map units of an Ad genome, wherein the shuttle plasmid lacks a loxP sequence.
- 17. (Amended) A host cell comprising:
  - (a) an Ad backbone plasmid comprising an Ad genome lacking map units 0 to 9.2, wherein the numbering of the map units starts [starting] with the lefthand ITR and wherein the plasmid lacks a loxP sequence, and
  - (b) a shuttle plasmid comprising Ad sequences from 0 to 1 and 9.2 to 16.1 map units of an Ad genome, wherein the shuttle plasmid lacks a loxP sequence.
- 22. (Amended) A method for rapidly producing recombinant adenovirus comprising contacting a host cell with
  - (a) an Ad backbone plasmid comprising an Ad genome lacking map units 0 to 9.2, wherein the numbering of the map units starts [starting] with the lefthand ITR and wherein the backbone plasmid lacks a loxP sequence, and
  - (b) a shuttle plasmid comprising Ad sequences from 0 to 1 and 9.2 to 16.1 map units of an Ad genome, wherein the shuttle plasmid lacks a loxP sequence.

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